## WHAT IS CLAIMED IS:

1. A process of manufacturing an optical waveguide for optically connecting a plurality of optical devices, comprising the steps of:

disposing a resin composition between two or more optical devices, the resin composition comprising a resin and a 1,4-dihydropyridine derivative,

forming an optical path through the resin composition between the optical devices by light having a wavelength capable of inducing a structural change in the 1,4-dihydropyridine derivative, and

removing the 1,4-dihydropyridine derivative from the resulting resin composition.

- 2. The process according to claim 1, wherein the resin comprises at least one member selected from the group consisting of polyamic acid, polyimide and polyamide-imide.
- 3. The process according to claim 1, wherein the resin composition contains 0.1 to 30 parts by weight of the 1,4-dihydropyridine derivative per 100 parts by weight of the resin.

- 4. The process according to claim 3, wherein the resin composition contains 1 to 5 parts by weight of the 1,4-dihydropyridine derivative per 100 parts by weight of the resin.
- 5. The process according to claim 1, wherein the 1,4-dihydropyridine derivative comprises a compound represented by formula (I):

$$R_3$$
 $R_4$ 
 $R_4$ 
 $R_3$ 
 $R_1$ 
 $R_2$ 

wherein Ar represents an aromatic group having a nitro group at the ortho position with respect to the bond to the 1,4-dihydropyridine ring;  $R_1$  represents -H,  $-CH_3$ ,  $-(CH_2)_nCH_3$ ,  $-CF_3$ ,  $-(CF_2)_nCF_3$ ,  $-C_6H_5$ ,  $-(CH_2)_nC_6H_5$ ,  $-CH_2CH=CH_2$ , -OH,  $-OCH_3$ ,  $-O(CH_2)_nCH_3$ ,  $-OCF_3$ ,  $-O(CF_2)_nCF_3$ ,  $-OC_6H_5$ ,  $-O(CH_2)_nC_6H_5$ ,  $-COO(CH_2)_nCH_3$ ,  $-COO(CH_2)_nCH_3$ ,  $-COC(CH_2)_nCH_3$ ,  $-OCF_3$ ,  $-O(CF_2)_nCF_3$ ,  $-COO(CH_2)_nCH_3$ ,  $-OCCH_3$ ,

Br or -I;  $R_4$  and  $R_5$ , which may be the same or different, each represent -H, -CN, -COOR<sub>z</sub>, -COR<sub>z</sub> or -CONHR<sub>z</sub>; n represents an integer of 1 to 4; and  $R_z$  represents a hydrogen atom or an alkyl group having 1 to 6 carbon atoms.

- 6. The process according to claim 5, wherein  $R_1$  is -H, -CH<sub>3</sub> or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>,  $R_2$  and  $R_3$  each independently represent -H, -CH<sub>3</sub> or -(CH<sub>2</sub>)<sub>n</sub>CH<sub>3</sub>,  $R_4$  and  $R_5$  each independently represent -COOR<sub>z</sub> or -COR<sub>z</sub>, wherein  $R_z$  is a hydrogen atom or an alkyl group having 1 to 6 carbon atoms and n is an integer of 1 to 4.
- 7. The process according to claim 5, wherein the 1,4-dihydropyridine derivative comprises at least one compound selected from the group consisting of 1-ethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-methyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-propyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 1-propyl-3,5-diethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 2,6-dimethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine, 2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine, and 1-ethyl-2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine.

- 8. The process according to claim 7, wherein the 1,4-dihydropyridine derivative comprises 1-ethyl-3,5-dimethoxycarbonyl-4-(2-nitrophenyl)-1,4-dihydropyridine.
- 9. The process according to claim 7, wherein the 1,4-dihydropyridine derivative comprises at least one of 2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine and 1-ethyl-2,6-dimethyl-3,5-diacetyl-4-(2-nitrophenyl)-1,4-dihydropyridine.
- 10. The process according to claim 1, wherein the resin comprises at least one member selected from the group consisting of polyamic acids, polyimides, and polyamide-imides.
- 11. The process according to claim 10, wherein the resin is fluorinated.
- 12. A connection structure of optical devices
  comprising:

two or more optical devices; and

at least one optical waveguide optically connecting the optical devices, the optical waveguide being formed by a process according to any one of claims 1 to 11.